

Bachelor of Environmental Engineering

Student ID		Student name	
Course code	1253	Year commenced course	
Course version	4 (for students who commenced in 2005 onwards).		
Credit points	192 points (32 x 6 point units)		
Duration of degree	4 years full time, 8 years part time		
Time limit	8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight years.		
Honours	Students are awarded a degree with honours for meritorious performance throughout the course. No additional time is required.		
Notes	From third year, students choose to specialise in one of three streams: environmental process engineering; transport and the built environment; and water and land management.		
Course adviser	http://www.eng.monash.edu.au/current-students/course-information.html#1		
Monash University Handbook	http://www.monash.edu.au/pubs/handbooks/		

Students should bring this course map with them when they seek course advice.

First year (select eight units from):	Mark	Grade
Core units		
<input type="checkbox"/> BIO2031 Biodiversity and bioresources		
<input type="checkbox"/> ENE1621 Environmental engineering		
<input type="checkbox"/> ENG1010 Process systems analysis		
<input type="checkbox"/> ENG1020 Engineering structures		
<input type="checkbox"/> ENG1060 Computing for engineers		
<input type="checkbox"/> ENG1091 Mathematics for engineering		
Foundation units		
Students who have not completed VCE units 3/4 of Chemistry or Physics and/or Specialist Mathematics are required to select none, one or two appropriate foundation units(s) from:		
<input type="checkbox"/> ENG1070 Foundation chemistry (if you have not completed VCE Chemistry)		
<input type="checkbox"/> ENG1080 Foundation physics (if you have not completed VCE Physics)		
<input type="checkbox"/> ENG1090 Foundation mathematics (if you have not completed VCE Spec Maths)		
Electives*		
Select none, one or two units from:		
<input type="checkbox"/> BIO2011 Ecology		
<input type="checkbox"/> CHM2735 Chemistry – principles and practice		
<input type="checkbox"/> ENG1050 Engineering materials		
<input type="checkbox"/> ENG1061 Engineering profession		

<input type="checkbox"/> ENG1071 Chemistry for engineering		
<input type="checkbox"/> ESC1022 Planet Earth: dynamic systems, environmental change and resources		
<input type="checkbox"/> PHS1042 Physics for bio and environmental sciences		
* Students who commenced first year in 2005 or 2006 may have completed BIO2011 as an elective		
Second year	Mark	Grade
<input type="checkbox"/> BIO2042 Conservation biology**		
<input type="checkbox"/> CHE2162 Material and energy balances		
<input type="checkbox"/> CHE2164 Thermodynamics I		
<input type="checkbox"/> CIV2263 Water systems		
<input type="checkbox"/> CIV2282 Transport and traffic engineering		
<input type="checkbox"/> ENE2503 Materials properties and recycling		
<input type="checkbox"/> ENG2091 Advanced engineering mathematics A		
<input type="checkbox"/> GES2460 Environmental policy and management		
** Students who commenced second year in 2006 will have completed BIO2031 instead of BIO2011		
Third year	Mark	Grade
Core units		
<input type="checkbox"/> CIV3248 Groundwater and environmental geoengineering		
<input type="checkbox"/> CIV3264 Urban water and wastewater systems		
<input type="checkbox"/> ENE3048 Energy and the environment		
<input type="checkbox"/> ENE3606 The air environment		
<input type="checkbox"/> ENE3608 Environmental impact assessment and management systems		
Stream units		
Select one of the following streams:		
<i>Environmental process engineering stream</i>		
<input type="checkbox"/> CHE3163 Sustainable processing I		
<input type="checkbox"/> CHM2735 Chemistry – principles and practice		
6 points from a list of approved stream electives is available from the Course Director:		
<input type="checkbox"/>		
<i>Transport and the built environment stream</i>		
<input type="checkbox"/> CIV3205 Project management for civil engineers		
12 points from a list of approved stream electives is available from the Course Director:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<i>Water and land management stream</i>		
<input type="checkbox"/> CIV3205 Project management for civil engineers		
12 points from a list of approved stream elective is available form the Course Director:		
<input type="checkbox"/>		
<input type="checkbox"/>		

Fourth year	Mark	Grade
Core units		
<input type="checkbox"/> ENE4607 Environmental risk assessment		
<input type="checkbox"/> BTX4100 Sustainability and the law		
<input type="checkbox"/> ENV416F Introduction to economics		
Stream Units		
<i>Environmental process engineering stream</i>		
<input type="checkbox"/> CHE4170 Design project (12 points)		
18 points from a list of approved steam electives is available from the course director:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<i>Transport and the built environment stream</i>		
<input type="checkbox"/> ENE4212 Environmental design		
<input type="checkbox"/> ENE4603 Environmental project A		
18 points from a list of approved steam electives is available from the course director:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<i>Water and land management stream</i>		
<input type="checkbox"/> ENE4212 Environmental design		
<input type="checkbox"/> ENE4603 Environmental project A		
18 points from a list of approved steam electives is available from the course director:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
Professional requirements		
Students may not graduate until they have completed their work experience and submitted a satisfactory report on the experience		
<input type="checkbox"/> 12 weeks approved engineering work experience		
<input type="checkbox"/> Report submitted to department and approved		

Every effort has been made to ensure that the information provided is correct at the time of publication.
 Monash University reserves to right to alter this information should the need arise. October 2007